Bio-Cushion®

**PRODUCT DESCRIPTION**

Bio-Cushion is a certified biodegradable air cushion for protective packaging applications and provides an environmentally friendly alternative to traditional void fill materials. It has been designed to replace traditional polyethylene, starch based and oxodegradable polyethylene air cushion materials.

Bio-Cushion is shelf, heat and water stable and will not disintegrate or break down while in use. It is constructed from 100% biodegradable/compostable materials (certified per ASTM D6400), therefore when disposed of properly it will fully degrade into carbon dioxide and water within four to six weeks. Bio-Cushion is available in different constructions, including biobased and VpCI formulations, to meet your protective packaging needs.

Bio-Cushion is designed for Cushion Fill Impact equipment manufactured by CPI Packaging Inc. Complete system, including Bio-Cushion, is available from Cortec Corporation and CPI Packaging Inc.

**FEATURES**

- Certified biodegradable/compostable per ASTM D6400
- Available in biobased resin formulations
- Superior mechanical properties
- Shelf and water stable
- Packaging material reduction compared to traditional void fill materials

**APPLICATIONS**

- Retail
- Crafts
- Medical
- Automotive
- Consumer Products

**FILM SPECIFICATIONS**

- 8” with perforations at 5” or 8”
- 12” with perforations at 5” (Two tubes per perf)

*Custom sizes and printing also available.*

Contact a Cortec representative for additional information.

**MECHANICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Unit of Measure</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength at Break MD</td>
<td>ASTM D882</td>
<td>psi</td>
<td>6103</td>
</tr>
<tr>
<td>Tensile Strength at Break CD</td>
<td>ASTM D882</td>
<td>psi</td>
<td>6049</td>
</tr>
<tr>
<td>Elongation MD</td>
<td>ASTM D882</td>
<td>%</td>
<td>603</td>
</tr>
<tr>
<td>Elongation CD</td>
<td>ASTM D882</td>
<td>%</td>
<td>680</td>
</tr>
<tr>
<td>Tear Strength MD</td>
<td>ASTM D1922</td>
<td>mN</td>
<td>1193</td>
</tr>
<tr>
<td>Tear Strength CD</td>
<td>ASTM D1922</td>
<td>mN</td>
<td>2668</td>
</tr>
<tr>
<td>Dart Drop Puncture Resistance</td>
<td>ASTM D1709</td>
<td>grams</td>
<td>557</td>
</tr>
</tbody>
</table>
All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Cortec Corporation warrants Cortec\textsuperscript{®} products will be free from defects when shipped to customer. Cortec Corporation’s obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer. Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall Cortec Corporation be liable for incidental or consequential damages.

**Efficient:**
Quickly inflates rolls of presealed and perforated Bio-Cushion stock into a lightweight clear void fill packaging material. This effective on-demand packaging system allows you to produce strong, environmentally friendly void fill cushioning as needed. Protecting your products with Bio-Cushion has never been easier.

**Flexible:**
Automatically fills plastic bins for delivery to your packaging stations. Just-in-time high volume dispenser bins/carts can be used at the side of conveyors or at your packaging stations. Optional overhead delivery systems can be designed to deliver Bio-Cushion inflated air bags where required.

**Easy to Use:**
Feed the edge of the Bio-Cushion film into the machine and start producing with out a missed bag. The built in photo-eye ensures that you have a consistent supply of void fill cushions.

**Reliable:**
Teflon\textsuperscript{®} coated steel belts have a long life expectancy and require little to no maintenance. No-Blade technology makes for easy use. No worries of dull blades or continuous jamming.

**Film Specifications:**
8” with perforations at 5” or 8”
12” with perforations at 5” (two tubes per perf)
*Custom sizes and printing available.

For further information and other available equipment and accessories, please contact your Cortec/CPI representative.